Abstract

A system and method for receiving medical or other database information and pregrouping and extending that data include a data enhancement layer configured to generate additional stored dimensions capturing the data and relevant attributes. Data sources such as hospitals, laboratories and others may therefore communicate their clinical data to a central warehousing facility which may assemble and extend the resulting aggregated data for data mining purposes. Varying source format and content may be conditioned and conformed to a consistent physical or logical structure. The source data may be extended and recombined into additional related dimensions, pre-associating meaningful attributes for faster querying and storage. Users running analytics against the resulting medical or other datamarts may therefore access a richer set of related information as well as have their queries and other operations run more efficiently.